

Pavel Dimens

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United States Citizen

EDUCATION

- Diploma 2007, Edward R. Murrow High School. Brooklyn, NY
- B.S., Aquatic and Fisheries Science Dec, 2010 SUNY College of Environmental Science and Forestry. Syracuse, NY.
- M.Sc. Fisheries and Mariculture 2017 (projected) Texas A&M Corpus Christi

EMPLOYMENT

Dauphin Island Sea Lab, Dauphin Island, AL

Intern

January 2013- June 2013 + October 2013 Extension

Working in the fisheries ecology laboratory, participating in oyster settlement plate analysis, oyster growth index and life history, stable isotope preparation and packing. Also analyzed fish stomach contents and species identification, vertical long lining for elasmobranchs, red snapper, red drum, tagging and measurements of fish, dissection, otolith removal, data recording and entry, and equipment design and maintenance. Participated in SEAMAP bottom longline modeled after NMFS longline, occasionally doing overnight trips offshore. Conducted trawl, gillnet, seine, and hook and line work and juvenile fish and crustacean species identification. Other tasks included video capture and editing, inventory database design, data mining, graphic design for publications and proposals, public outreach, and specimen preservation.

Dauphin Island Sea Lab, Dauphin Island, AL

Volunteer Intern

September 2012- December 2012

Assisting in various projects in Dr. Ruth Carmichael's laboratory, including oyster success and food/nutrient studies, manatee radio tracking and behavioral observation. Laboratory duties include acid wash protocol in a sterile laboratory, use and calibration of YSI85 and YSI Pro 2030 probes, vacuum filtration for chlorophyll and stable isotope analysis, radio tracking using a unidirectional radio receiver, small boat operation, and stable isotope packing. Also some dolphin necropsy work.

New York City Department of Parks and Recreation, Brooklyn/Queens, NY

Seasonal Urban Park Ranger

June 2012- August 2012

Working as a fellow in various Brooklyn and Queens public parks to act as a steward for visitors and the natural world. Done by means of bird watching programs, wildflower walks, hikes, educational programs, canoeing, seine netting, and patrolling. Conducted a series of impromptu daily programs intended to be engaging and educational. Taught park patrons hook and line shoreline fishing, proper fish handling techniques, and fishing regulations for the Jamaica Bay and Hudson River watersheds.

United States Department of Agriculture – Animal and Plant Health Inspection Services: Wildlife Services, Queens, NY

Seasonal Wildlife Technician GS-05

June 2011-October 2011

Stationed in John F. Kennedy International Airport, the main function of this position was to monitor wildlife in and around JFK International Airport, as well as prevent wildlife from causing airplane collisions and incursions. Duties include airfield monitoring, proper avian wildlife identification, species harassment, population control, avian and small mammal trapping, diamondback terrapin relocation, lethal (firearms) and nonlethal wildlife management.

Mote Marine Laboratory, Sarasota, FL

Shark Biology Volunteer Intern

May 2010-August 2010

Responsible for the maintenance of all research elasmobranch specimens, including Nurse shark (*Ginglymostoma cirratum*), Blacktip Shark (*Carcharhinus limbatus*), Bonnethead Shark (*Sphyrna tiburo*), Spotted Eagle Ray (*Aetobatus narinari*), Atlantic Stingray (*Dasyatis Sabina*) and Cownose Ray (*Cephaloscyllium ventriosum*). Duties included maintaining proper water chemistry using a spectrophotometer and YSI 85, tank cleaning, food preparation, data entry, and gear maintenance. Also assisted research vessels in tagging and identifying whale sharks *Rhincodon typus*, as well as gill-netting and hook and line fishing for neonate *C. limbatus* and *S. tiburo*.

National Science Foundation Undergraduate Mentoring in Environmental Biology. Syracuse, NY.

Independent Researcher

May 2008-August 2009

Under the mentorship of Dr. Kimberly Schulz, developed a research project to observe the significance of top-down control between a pristine and previously stocked lake. The fellowship consisted of proposal development, execution, completion of a research paper, presentation of a poster and outreach component. Variables included zooplankton size, phytoplankton density, water nutrient concentration, and species abundance of fish in each system. Laboratory work included syringe filtering and measuring zooplankton with an ocular micrometer. Field work involved creation of mesocosms, water chemistry sampling, plankton tows, use of a fluorospectrometer, and zooplankton measurement.

New York Aquarium, Brooklyn NY

Volunteer Docent

May 2005- August 2006

Responsible for educating public about marine organisms and conservation issues. Duties included teaching aquarium visitors about the Giant Pacific Octopus (*Enteroctopus dofleini*), Pacific Walrus (*Odobenus rosmarus divergens*), as well as hands-on work with Horseshoe Crabs (*Limulus polyphemus*) and Atlantic Sea Star (*Asterias forbesi*) in the touch pools. Also conducted child outreach programs involving seine netting, plankton tows and marine education.

Activities and Honors

- Fellow of the Social Expertise Exchange- Flora and Fauna working group 2014
- Fellow of Undergraduate Mentoring in Environmental Biology Program 2009-2010
- Recipient : Robin Hood Oak Award, SUNY ESF 2010
- Recipient: Presidential Scholarship 2007-2010
- Founder and President of the ESF Music Society, SUNY ESF 2009-2010
- Completion of Underwater Photography Course, Syracuse University 2010

Presentations

The significance of top-down control between a stocked and unstocked lake in the Adirondacks. 2010 SUNY College of Environmental Sciences and Forestry. (poster)

Using a landing cradle to fill the data gap left by really big fish. 2013 Gulf and Caribbean Fisheries Institute. (poster)

Certification and Training

- PADI Open Water Diver Certification (43 logged dives)
- Valid New York driver's license
- NRA/DEC Firearm Safety Course
- NRA Shotgun Safety training

Key Skills

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| ▪ Fluent in English, Russian | ▪ Small watercraft operation |
| ▪ Gill, seine, dip, and trap/fyke netting | ▪ Small mammal trapping |
| ▪ Plankton net tows | ▪ Carpentry |
| ▪ Trawling | ▪ Basic wiring |
| ▪ Bottom and vertical long line fishing | ▪ Microsoft Office (Word, Excel, PowerPoint) |
| ▪ Dart and roto tagging fish | ▪ Video editing (Sony Vegas and Adobe Premier) |
| ▪ Electroshock fishing | ▪ Graphic Design (Adobe Fireworks, Publisher, Illustrator, InDesign) |
| ▪ Elasmobranch husbandry | ▪ Photo manipulation (Adobe Photoshop) |
| ▪ Marine life support system maintenance | ▪ Basic underwater photography and videography |
| ▪ Unidirectional radio tracking | |
| ▪ Snorkeling and scuba diving | |